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| Sheet | 1 | of | 2 |
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**Complete if Known**

|                        |                     |
|------------------------|---------------------|
| Application Number     | 09/991,442          |
| Filing Date            | November 16, 2001   |
| First Named Inventor   | In Hwan Choi et al. |
| Art Unit               |                     |
| Examiner Name          |                     |
| Attorney Docket Number | 2080-3-49           |

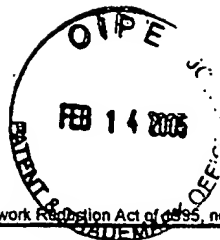
## U. S. PATENT DOCUMENTS

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PTO/SB/08A (08-03)

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Sheet 2 of 2**Complete if Known**

|                        |                     |
|------------------------|---------------------|
| Application Number     | 09/991,442          |
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**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| FA                 |                       | US- 5,636,251                            | 06-03-1997                     | Citta et al.                                       |   |
|                    |                       | US- 5,629,958                            | 05-13-1997                     | Wilming  |   |
|                    |                       | US- 5,600,677                            | 02-04-1997                     | Citta et al.                                       |   |
|                    |                       | US- 60/198,014                           |                                | Brett et al.                                       |   |
|                    |                       | US- 5,555,024                            | 09-10-1996                     | Limberg et al.                                     |   |
|                    |                       | US- 6,208,643                            | 03-12-2001                     | Dieterich et al.                                   |   |
|                    |                       | US- 6,743,025                            | 07-13-2004                     | Leatherbury et al.                                 |   |
|                    |                       | US- 2002/0085632                         | 07-04-2002                     | Choi et al.  |   |
|                    |                       | US- 5,923,711                            | 07-13-1999                     | Wilming  |   |
|                    |                       | US- 6,724,832                            | 04-20-2004                     | Hershberger  |   |
|                    |                       | US- 5,087,975                            | 02-11-1992                     | Citta et al.                                       |   |
|                    |                       | US- 5,563,884                            | 10-11-1996                     | Fimoff et al.                                      |   |
|                    |                       | US- 6,519,298                            | 02-11-2003                     | Kim  |   |
|                    |                       | US-                                      |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
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Considered

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| Sheet | Suppl. | of | 1 of 1 |
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|                          |                       | Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (If known) |                                |   |   |                |
| PA                       | 1                     | KR-2000-0018531A  | 4-13-1997                      | LG Electronics                                  | whole document  |                |
| PA                       | 2                     | KR-2000-0028757A  | 5-25-2000                      | Thompson  | whole document  |                |
|                          |                       |   |                                |   |   |                |
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICATION**

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|                        |                    |
|------------------------|--------------------|
| Applicant Number       | 09/991,442         |
| Filing Date            | 11/16/2001         |
| First Named Inventor   | Chol et al.        |
| Art Unit               | 2631               |
| Examiner Name          | Aghdam, Freshten N |
| Attorney Docket Number | 2080-3-49          |

Sheet 1 of 1

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|----------------------|-------------|--|---------------------|--|---|
| FA                   |             | 5,706,312                                      | 01/06/1998          | Lee-Fang Wei                                       |   |
| ↓                    |             | US/2004/0240590A1                              | 12/02/2004          | Cameron et al.                                     |   |
|                      |             | 6,708,149                                      | 03/16/2004          | William Turin                                      |   |
|                      |             | 6,118,825                                      | 09/12/2000          | Ikeda et al.                                       |   |
|                      |             | 5,233,630                                      | 08/03/1993          | Jack K. Wolf                                       |   |
| FA                   |             | 6,690,738                                      | 02/10/2004          | Swenson et al.                                     |   |
|                      |             |  |                     |  |   |
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